

P10AD-BAT BUFFERABLE CCTV CAMERA POWER SUPPLY DISTRIBUTION UNIT WITH 10 OUTPUT. BATTERY INSERTION OPTION, USER'S MANUAL

ATTENTION! Touching of mains terminal after power connection is dangerous! Use of protective earthing is compulsory for safety purposes!

The connecting information is in the label of the power supply. Use appropriate wire size on the **OUT** connection.

WORKING MODES

1. Normal mode: 12 V output (default)

Connect mains to connector **AC IN 230 V 50/60 Hz**.

Use for output signed **LOAD** (connected to divider panel).

Pay attention to the proper polarity!

If the measured voltage at the cameras is dropped, (e.g. too long wire) increase the output voltage using trimmer potentiometer on the panel.

Measure always the voltage at the camera power input.

OUT current each max.: 1 A (with resettable PTC)

OUT current together max.: 10 A (9A is suggested)

OUT voltage: 12 V to 13.8 V adjustable

2. Buffered mode

A. Please start the normal mode without battery to test the DC network.

B. Switch off the buffer mode before connect the battery and switch on AC.

12V/7 Ah battery can be accommodated into the box. Connect mains to connector **AC IN 230 V 50/60 Hz**. Use for output signed **LOAD** (connected to divider panel) and connect the battery to output **BAT**. Pay attention to the proper polarity! Adjust the voltage on output **BAT** to 13,8 V by trimmer potentiometer. Connect the cameras to output **OUT 1. - OUT 10**.

ATTENTION! The output voltage is 13,8 V in this case! Install **ME.12V/1A** auxiliary power supply unit into the house of camera which gives 12 VDC with max. current 1 A.

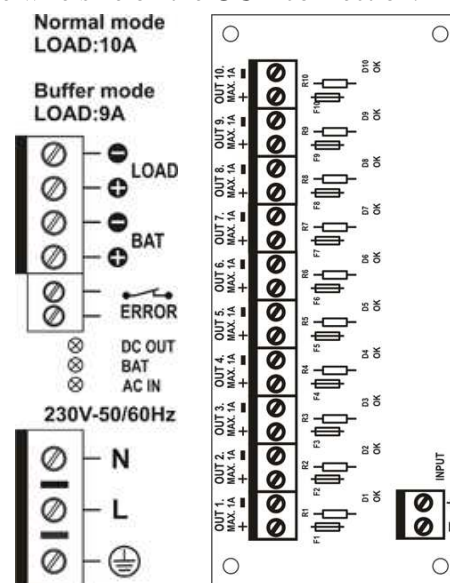
The charging procedure of the battery is automatic (I-U characteristic), no intervention is needed. In case of power-cut the battery deep discharge and break down is prevented by switching off loading at 10,5 V decreased battery voltage. After returning of power the charging process starts. If the charging voltage reaches 12,5 V on the battery the loading is reconnected. This solution is working with safe and avoiding possible trouble.

Connection of battery: red +; black -

Charging current:1A

Loading current:5A

OUT voltage: 13,8 V



The meaning of the LED signals. In power default mode the battery signals do not work.

LED signal state	LED not light	Error message	Delay
Mains OK: AC continuous	No power:	ERROR yes	20 s
DC output OK: DC continuous	No DC output:	ERROR yes	20 s
Battery OK: BAT continuous	Battery is flat:	ERROR yes	20 s
Battery change: BAT flashing		ERROR yes	20 s
System overheating: AC DC BAT flashing		ERROR yes	0 s
Power on self test: AC DC BAT + Fan if exists		ERROR no	2 s
Dynamic battery test 20 s			

Specifications:

Input voltage: 230 VAC $\pm 10\%$ 50/60 Hz

Output voltage: 12 to 13,8 VDC (adjustable)

Max. loading current: 10 A

Class of insulation: I.

Degree of protection: IP 20

Working temperature limit range: -10 °C ...+40 °C

Battery: 12 V/7 Ah

Dimensions (WxHxD mm): 215 x 265 x 70+8



Built-in protections against:

Overloading, short-circuit, overheating, deep discharge, changed polarity at battery (by fuse) aktronix©